



## **CITY OF HAYWARD**

### **AGENDA REPORT**

AGENDA DATE 07/23/02

AGENDA ITEM 4

WORK SESSION ITEM \_\_\_\_\_

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Authorization for the City Manager to Execute a Professional Services Agreement with ValueCAD

#### **RECOMMENDATION:**

It is recommended that the City Council adopt the attached resolution authorizing the City Manager to execute a Professional Services Agreement with ValueCAD to upgrade the City's Land Base and Utility Maps, in an amount not to exceed \$80,000.

#### **DISCUSSION:**

One of the objectives of the City's Two-Year Technology Work Plan is to develop a citywide Geographical Information System (GIS). In accordance with this plan, a GIS working group has been meeting to develop specific implementation steps. One of the first identified steps in the work plan was to develop an accurate parcel base map layer with street centerlines, accurate parcel designations, and accurate street addresses.

The goal of this contract is to create a single land base map, which will be the foundation layer for the City's GIS. It will require the combination and comparison of various existing information into an accurate building block for future GIS work.

In addition to being coordinated with a corrected GIS land base map, the utility layers for water, sewer, and storm drains need to be converted into relational database format rather than just as graphic images. This will create separate layers for each utility similar to the street centerline and address layers. This task has been budgeted for sometime, but can now be done as a single phase of the GIS implementation.

In the late 1990's, staff used a consultant to digitize the City's utility maps. ValueCAD, who did that work, was selected after an extensive RFP process, based on both qualifications and competitive pricing. Since their initial contract, ValueCAD has been very helpful to the GIS working group in identifying cost-effective means to complete the next step. Based on their extensive knowledge of the City of Hayward and their excellent previous work, staff requested a proposal to upgrade the land base and utility mapping databases for the City of Hayward. Key deliverables that ValueCAD will provide are:

- Land Base - Create a current Land Base Parcel layer utilizing all existing information

- Street Centerline - Create a true centerline layer that adequately follows the middle of the right of way.
- Addresses - Produce a validated address layer that combines existing sources with resolution of specific conflicts by coordination with City staff.
- Utility Networks - Existing water, sewer, and storm drain network graphics will be upgraded. Individual layers will be created for each utility system.
- Maintenance Manuals and Toolbars - Maintenance manuals will be created for each of the six layers, namely, Land Base Parcel, Street Centerline, Street Address, Water, Sewer, and Storm Drain. Toolbars will be created for easy and effective ongoing maintenance of each of the above GIS layers.

Because some of the work is dependent on how correct our existing data files are, the proposal is based on time-and-materials, with a not-to-exceed amount. ValueCAD, because of its low overhead, has proposed very competitive labor rates. The \$80,000 not-to-exceed total includes \$5,000 for possible additional services. In future months, other aspects of the GIS project will be developed using this initial effort as a foundation.

#### **FUNDING:**

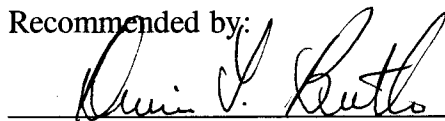
The 2002-03 Capital Improvement Program includes \$500,000 in the Capital Improvement Fund for the Geographical Information System portion of the Technology Work Plan. Of that amount, only \$20,000 will be used for this contract, since a total of \$60,000 is available in the Sewer and Water System Replacement Funds for AutoCAD base map and GIS work.

Prepared by:



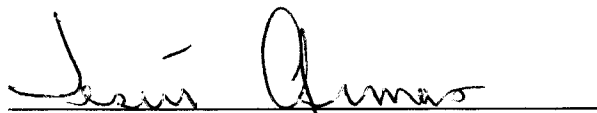
Robert A. Bauman, Deputy Director of Public Works

Recommended by:



Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

**DRAFT**

NA 7/11/02

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION AUTHORIZING THE CITY MANAGER  
TO EXECUTE A PROFESSIONAL SERVICE  
AGREEMENT BETWEEN THE CITY OF HAYWARD  
AND VALUECAD FOR UPGRADE OF THE CITY'S  
LAND BASE AND UTILITY MAPS, PROJECT NOS.  
6996, 7608 AND 7121

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to negotiate and execute on behalf of the City of Hayward a professional services agreement with ValueCAD for the upgrade of the City's Land Base and Utility Maps for use in the citywide Geographical Information System, Project Nos. 6996, 7608 and 7121, in an amount not to exceed \$80,000, in a form approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2002

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward